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## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/977,579

DATE: 08/04/2004

TIME: 17:37:08

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Output Set: N:\CRF4\08042004\I977579.raw

3 <110> APPLICANT: Cambridge University Technical Services  
 5 <120> TITLE OF INVENTION: A novel family of beta sub-unit proteins from a voltage  
 gated sodium  
 6 channel  
 7 nucleic acids encoding them and therapeutic or diagnostic uses thereof  
 9 <130> FILE REFERENCE: 674558-2001  
 C--> 11 <140> CURRENT APPLICATION NUMBER: US/09/977,579  
 12 <141> CURRENT FILING DATE: 2001-10-15  
 14 <150> PRIOR APPLICATION NUMBER: PCT/EP00/01783  
 15 <151> PRIOR FILING DATE: 2000-02-24  
 17 <150> PRIOR APPLICATION NUMBER: 60,129,473  
 18 <151> PRIOR FILING DATE: 2000-02-24  
 20 <160> NUMBER OF SEQ ID NOS: 47  
 22 <170> SOFTWARE: PatentIn version 3.1  
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 36 20 25 30  
 39 Thr Glu Ala Val Gln Gly Asn Pro Met Lys Leu Arg Cys Ile Ser Cys  
 40 35 40 45  
 43 Met Lys Arg Glu Glu Val Glu Ala Thr Thr Val Val Glu Trp Phe Tyr  
 44 50 55 60  
 47 Arg Pro Glu Gly Gly Lys Asp Phe Leu Ile Tyr Glu Tyr Arg Asn Gly  
 48 65 70 75 80  
 51 His Gln Glu Val Glu Ser Pro Phe Gln Gly Arg Leu Gln Trp Asn Gly  
 52 85 90 95  
 55 Ser Lys Asp Leu Gln Asp Val Ser Ile Thr Val Leu Asn Val Thr Leu  
 56 100 105 110  
 59 Asn Asp Ser Gly Leu Tyr Thr Cys Asn Val Ser Arg Glu Phe Glu Phe  
 60 115 120 125  
 63 Glu Ala His Arg Pro Phe Val Lys Thr Thr Arg Leu Ile Pro Leu Arg  
 64 130 135 140  
 67 Val Thr Glu Glu Ala Gly Glu Asp Phe Thr Ser Val Val Ser Glu Ile  
 68 145 150 155 160  
 71 Met Met Tyr Ile Leu Leu Val Phe Leu Thr Leu Trp Leu Phe Ile Glu  
 72 165 170 175  
 75 Met Ile Tyr Cys Tyr Arg Lys Val Ser Lys Ala Glu Glu Ala Ala Gln  
 76 180 185 190  
 79 Glu Asn Ala Ser Asp Tyr Leu Ala Ile Pro Ser Glu Asn Lys Glu Asn



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99          20          25          30
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103          35          40          45
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111 65          70          75          80
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118 Ser Lys Asp Leu Gln Asp Val Ser Ile Thr Val Leu Asn Val Thr Leu
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186 gctacagaaa ggtctctaag gccgaagagg cagcacagga aaatgcgtct gactaccttg 960
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RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/09/977,579

DATE: 08/04/2004  
TIME: 17:37:09

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The rules require that a line not exceed 72 characters in length. This includes spaces.

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VERIFICATION SUMMARY

PATENT APPLICATION: US/09/977,579

DATE: 08/04/2004

TIME: 17:37:09

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L:11 M:270 C: Current Application Number differs, Replaced Current Application Number